



# Material Safety Data Sheet

According to regulation (CE) 1907/2006

TRADE NAME: LX/200

Update: 14/01/2013

## 1 - Identification of the substance/Preparation and Company

Trade name:

LX/200

Commercial use:

Universal grease resistant to very high temperature

Company:

FUCHS LUBRITECH FRANCE SAS  
16, route d'Ungersheim  
BP 40007  
68190 ENSISHEIM

E-mail:

[services@fuchs-lubritech.fr](mailto:services@fuchs-lubritech.fr)

Contact in case of emergency:

ORFLA: + 33 (0) 1 45 42 59 59  
Emergency European number: 112

## 2 - Hazards identification

### 2.1 Classification of substance or mixture

Not classified as hazardous according to European Directives 67/548/CE and 1999/45/CE, their transpositions, and their annexes

### 2.2 Label elements

None

### 2.3 Other hazards

No data available

## 3 - Composition/information on the components

### 3.2 Preparation:

Product manufactured with highly refined mineral oils.

HPA contents in mineral oils is < 3 % (IP 346/80 method)

Dangerous components:

Component(s)	Identification	Conc. (% in mass)	Classification directive 67/548 [DSD]	Classification regulation No 1272/2008 [CLP]
Zinc alkylthiophosphate	CAS : - EC : 270-478-5 REACH : -	< 2.5%	XI ; R36 N ; R51/53	Eye Irrit 2 (H319) Aquatic Chronic 2 (H411)

## 4 - First aid

**Skin contact:**

Wash with soap and large quantity of water. Contaminated clothes shall be washed before reuse. If irritation persists, obtain medical attention.

**Eye contact:**

Flush eyes immediately and thoroughly with water, by holding eyelid open, for at least 15 minutes. In case of eye irritation, obtain medical attention.

**Breathing in:**

Take the casualty outside. Clear all fresh air inlets. In case of faint, obtain medical attention.

**Ingestion :**

DO NOT INDUCE VOMITING. Obtain immediate medical attention.

**Advice to physicians:**

If incident, treat symptomatically.

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## 5 - Fire fighting measures

**Flash point:** Not applicable.

**Suitable ways of extinguishing:** Foam, carbon dioxide (CO<sub>2</sub>), dry chemical powder.

**Ways of extinguishing not to be used because of safety reasons:** Water in a jet.

**Dangers due to exposure:**

Necessary measures must be taken to retain water used for extinguishing. Contaminated waters and soils must be eliminated in accordance with local regulation.

**Protections of fire fighters:**

As for all chemical fires, chemical protection suit, appropriate gloves, boots and self-contained breathing apparatus.

**Combustion products:**

Incomplete combustion and thermolysis liberate more or less toxic gases such as carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), varied hydrocarbons, aldehydes, etc....

## 6 - Accidental release measures

**Individual precautions:**

Wearing individual protection equipments is compulsory, please refer to information of Individual Protection Section §8.  
Spillage of products can make the floor slippery.

**Environmental precautions:**

Prevent dispersal and discharge into drains, ditches or rivers, with the help of sand, soil or any other appropriate barriers. Inform local authorities if this situation cannot be prevented.

**Cleaning methods:**

Collect in appropriate container, which mentions clear information, for elimination or collection in accordance with regulation.

## 7 - Handling and storage

**Handling:**

Avoid prolonged or repeated contacts with skin. During handling of products stored in drums, security shoes or boots and appropriate handling equipment must be used.  
Do not eat, do not drink and do not smoke at the workstation.

**Storage:**

Store in a cool, dry and well ventilated area. Use containers properly labelled and likely to be closed hermetically. Keep away from sunbeam, heat sources and strong oxidizing agents.  
Recommended temperature of storage: 5 to 40°C.

## 8 - Exposure control / Individual protection

**Exposure limit value:**

For oil mists :  
(STEL) : 10mg/m<sup>3</sup>, on 15 minutes  
(TWA) : 5mg/m<sup>3</sup>, on 8 hours

**Respiratory protection:**

Not normally required.

**Hand protection:**

Wear protection rubber nitrile gloves.

**Eye protection:**

Glasses in case of projection risk.

**Skin and body protection:**

According to needs, face shield, hydrocarbon-tight boots and clothes, security shoes (drums handling).

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## 9 - Physical and chemical properties.

### 9.1 Information on main physical and chemical properties

Physical appearance:	Paste
Colour:	Green
Odour:	Specific
Odour threshold:	Not available

Property	Values	Comments	Method
pH value:		Not applicable	
Boiling point/range :		Not applicable	
Flash point:		Not applicable.	
Evaporation rate:		No data available	
Flammability:		No data available	
Vapour pressure:		No data available.	
Vapour density:		No data available	
Density:	~ 900kg/m <sup>3</sup>	@20°C	
Solubility in water:		Insoluble, not miscible.	
Solubility in organic solvents:		Soluble in many usual solvents.	
Partition coefficient (n-octanol/water):		No data available	ASTM E-659
Auto-ignition temperature:	> 250°C		
Viscosity:		No data available	
Explosive properties:		Not explosive	
Oxidizing properties:		Not applicable	
9.2 Other data			
Dropping point:	≥ 220°C		NF T 60-102
Temperature of use:	-20°C to +160°C		

Data above are typical values and do not constitute any specification.

## 10 - Stability and Reactivity

Stability:	Stable product at usual temperatures of storage, handling and use
Conditions to avoid:	Heat, sparks, ignition points, flames,...
Materials to avoid:	Strong oxidizing agents.
Hazardous decomposition products:	Incomplete combustion and thermolysis liberate more or less toxic gases such as carbon monoxide (CO), carbon dioxide (CO2), varied hydrocarbons, aldehydes, etc... and soot.

## 11 – Toxicological information

### Basis of assessment:

Toxicological data have not been determined specifically for this product. Information given is based on knowledge of components and toxicology of similar products.

Acute oral toxicity:	DL50 considered > 2000 mg/kg
Acute dermal toxicity:	DL50 considered > 2000 mg/kg
Acute toxicity by inhalation:	Considered as non dangerous in normal conditions of use.
Acute eyes irritation:	Probably slightly irritant.
Acute skin irritation:	Probably slightly irritant.
Acute skin sensitisation:	Not determined.



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## 12 - Ecological information

### Basis of assessment:

Toxicological data have not been determined specifically for this product. Information given is based on knowledge of components and toxicology of similar products.

Acute toxicity for daphnie:	Not determined	Acute toxicity for Bacteria:	Not determined
Acute toxicity for algae:	Not determined	Acute toxicity for fish:	Not determined

### Mobility:

Semi-solid in many conditions in the environment, so generally, not much mobile on soil.  
Insoluble, product floats.

### Biodegradability:

Absence of experimental data on final product.

### Bioaccumulation:

Contains potentially bioaccumulable ingredients.

## 13 - Disposal considerations

Do not throw into drains or waterways.

### Waste / Product not used:

Recycle or eliminate according to current regulation, if possible by a registered company. Do not contaminate soil or water with waste, do not eliminate into environment.

### Soiled packages:

Empty container completely. Leave label(s) on container. Hand in to registered eliminating department.

### European waste catalogue:

12 01 12 waste from waxes and greases.

Classification of waste is always final user's liability.

## 14 - Transport information

### UN number:

None.

### Dispatch name:

Lubricating grease

### International regulation:

Land / roads (ADR category):	Not concerned	Fluvial ways (ADNR category):	Not concerned
Railway (ADR category):	Not concerned	Maritime ways (IMDG category):	Not concerned
Aerial way (IATA-DGR category):	Not concerned		

## 15 - Regulatory information

### EU regulation:

Classification: No required classification

### French regulation:

Social Security Code: Art. L.461-6, art. D.461-1, annex A, n°601-15.

Table(s) of professional diseases: N°15-36

Labour Code: Art. R.241-50, decree of 11.07.77.



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### 16 – Other information.

#### List of R-phrases:

R36      Irritating to eyes  
R51/53      Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

#### List of H-phrases:

H319      Causes serious eye irritation  
H 411      Toxic to aquatic life with long lasting effects

#### Advised uses and restrictions of use:

This product must not be used in applications other than the above without first seeking the advice of our technical department.

#### Date of issue of this sheet:

14/01/13

#### Cancel and replace sheet of:

23/01/12

#### Review table:

SECTION	CHANGE	DATE OF CHANGE
-	Global review according to regulation CE 1907/2006	10/06/08
3	Dangerous components	08/02/10
-	Addition of NLGI 3	19/10/10
-	Suppression of NLGI 3	20/06/11
3	Dangerous components	23/01/12
2/3/8/9/16	Compliance with regulation 453/2010	14/01/13

Information contained in this sheet are bona fide given and are our best current knowledge of the subject. It doesn't pretend to be exhaustive. Besides, attention of users is drawn on possible risks run when a product is used in other applications than those it has been conceived for.

End of document